

# M9F23125

Miniature circuit breaker (MCB), Multi9 C60SP, 1P, 25A, D curve, 10kA (UL1077), 10kA (IEC/EN 60947-2)



## Main

|                           |  |
|---------------------------|--|
| Range                     | Multi9   |
| Product name              | Multi9 C60   |
| Product or Component Type | Miniature circuit-breaker  |
| Device short name         | C60SP  |
| Device Application        | Distribution   |
| Poles description         | 1P   |
| Number of protected poles | 1  |
| Line Rated Current        | 25 A 77 °F (25 °C) EN/IEC 60947-2  |
| Network type              | AC<br>DC   |
| Trip unit technology      | Thermal-magnetic   |
| Curve code                | D  |
| Breaking capacity         | 10 KA AIR 277 V AC UL 1077<br>14 KA AIR 240 V AC UL 1077<br>14 KA AIR 120 V AC UL 1077<br>10 KA AIR 65 V DC UL 1077<br>10 KA AIR 277 V AC CSA C22.2 No 235<br>14 KA AIR 240 V AC CSA C22.2 No 235<br>14 KA AIR 120 V AC CSA C22.2 No 235<br>10 KA AIR 65 V DC CSA C22.2 No 235<br>3 KA Icu 415 V AC EN/IEC 60947-2<br>10 KA Icu 240 V AC EN/IEC 60947-2<br>20 KA Icu 60 V DC EN/IEC 60947-2<br>3 KA Icu 415 V AC GB 14048.2<br>10 KA Icu 240 V AC GB 14048.2<br>20 KA Icu 60 V DC GB 14048.2 |
| Suitability for isolation | Yes EN/IEC 60947-2   |
| Standards                 | EN/IEC 60947-2<br>GB 14048.2<br>UL 1077<br>CSA C22.2 No 235  |
| Product certifications    | IEC[RETURN]CCC[RETURN]UR[RETURN]CSA  |

## Complementary

|  |  |
|--|--|
| [Ue] rated operational voltage         | 240 V AC 50/60 Hz<br>415 V AC 50/60 Hz<br>60 V DC  |
| Magnetic tripping limit                | 12 x In +/- 20 % AC<br>17 x In +/- 20 % DC   |
| [Ics] rated service breaking capacity  | 2.25 KA 75 % EN/IEC 60947-2 - 415 V AC<br>7.5 KA 75 % EN/IEC 60947-2 - 240 V AC<br>20 KA 100 % EN/IEC 60947-2 - 60 V DC<br>2.25 KA 75 % GB 14048.2 - 415 V AC<br>7.5 KA 75 % GB 14048.2 - 240 V AC<br>20 KA 100 % GB 14048.2 - 60 V DC |
| [Ui] rated insulation voltage          | 500 V AC EN/IEC 60947-2  |
| [Uimp] rated impulse withstand voltage | 6 kVEN/IEC 60947-2   |
| Contact position indicator             | Yes  |
| Control type                           | Toggle   |
| Local signalling                       | ON/OFF indication  |
| Mounting Mode                          | Clip-on  |

|                          |  |
|--------------------------|--|
| Mounting Support         | DIN rail   |
| 9 mm pitches             | 2  |
| Height                   | 3.19 in (81 mm)  |
| Width                    | 0.71 in (18 mm)  |
| Depth                    | 2.83 in (72 mm)  |
| Color                    | Gray   |
| Mechanical durability    | 20000 cycles   |
| Electrical durability    | 10000 cycles   |
| Provision for padlocking | Padlockable  |
| Connections - terminals  | Tunnel type terminal top or bottom) 0.00...0.04 in <sup>2</sup> (1...25 mm <sup>2</sup> ) AWG 18...AWG 8) - rigid<br>Tunnel type terminal top or bottom) 0.00...0.02 in <sup>2</sup> (1...16 mm <sup>2</sup> ) AWG 18...AWG 8) - flexible with ferrule<br>Tunnel type terminal top or bottom) 0.00...0.02 in <sup>2</sup> (1...16 mm <sup>2</sup> ) AWG 18...AWG 8) - flexible |
| Wire stripping length    | 0.55 in (14 mm) for top or bottom connection   |
| Tightening torque        | 22.13 lbf.in (2.5 N.m) top or bottom   |
| Earth-leakage protection | Without  |

## Environment

|                                       |  |
|---------------------------------------|--|
| IP degree of protection               | IP20 conforming to IEC 60529<br>IP40 (modular enclosure) conforming to IEC 60529 |
| Pollution degree                      | 3 EN/IEC 60947-2   |
| Tropicalisation                       | 2 IEC 60068-1  |
| Relative humidity                     | 95 % 131 °F (55 °C)  |
| Operating altitude                    | 0...6561.68 ft (0...2000 m)  |
| Ambient air temperature for operation | -22...158 °F (-30...70 °C)   |
| Ambient Air Temperature for Storage   | -40...176 °F (-40...80 °C)   |

## Ordering and shipping details

|                   |                                |
|-------------------|--------------------------------|
| Category          | 00948-M9 GEN 2 CB UL1077 / IEC |
| Discount Schedule | DE2                            |
| GTIN              | 3606481168771                  |
| Returnability     | Yes                            |
| Country of origin | FR                             |

## Packing Units

|                              |                          |
|------------------------------|--------------------------|
| Unit Type of Package 1       | PCE                      |
| Number of Units in Package 1 | 1                        |
| Package 1 Height             | 0.71 in (1.8 cm)         |
| Package 1 Width              | 2.95 in (7.5 cm)         |
| Package 1 Length             | 3.35 in (8.5 cm)         |
| Package 1 Weight             | 4.06 oz (115.0 g)        |
| Unit Type of Package 2       | BB1                      |
| Number of Units in Package 2 | 12                       |
| Package 2 Height             | 3.07 in (7.8 cm)         |
| Package 2 Width              | 3.46 in (8.8 cm)         |
| Package 2 Length             | 8.86 in (22.5 cm)        |
| Package 2 Weight             | 3.12 lb(US) (1.417 kg)   |
| Unit Type of Package 3       | S03                      |
| Number of Units in Package 3 | 144                      |
| Package 3 Height             | 11.81 in (30.0 cm)       |
| Package 3 Width              | 11.81 in (30.0 cm)       |
| Package 3 Length             | 15.75 in (40.0 cm)       |
| Package 3 Weight             | 38.56 lb(US) (17.491 kg) |

## Offer Sustainability

|                             |  |
|-----------------------------|--|
| Sustainable offer status    | Green Premium product  |
| REACH Regulation            | <a href="#">REACH Declaration</a>  |
| EU RoHS Directive           | Compliant with Exemptions  |
| Mercury free                | Yes  |
| China RoHS Regulation       | <a href="#">China RoHS Declaration</a>   |
| RoHS exemption information  | <a href="#">Yes</a>  |
| Environmental Disclosure    | <a href="#">Product Environmental Profile</a>  |
| Circularity Profile         | No need of specific recycling operations   |
| WEEE                        | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |
| Halogen content performance | Halogen free product   |